

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004257A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B6/16 G02B6/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 345 069 A (FITEI USA CORP A DELAWARE CORP) 17 September 2003 (2003-09-17) paragraphs '0017!', '0019!', '0020!' -----	1-43
A	US 6 576 345 B1 (LAXMAN RAVI KUMAR ET AL) 10 June 2003 (2003-06-10) -----	
A	US 2002/137260 A1 (DENG YANPEI ET AL) 26 September 2002 (2002-09-26) -----	
A	PAVESI L ET AL: "OPTICAL GAIN IN SILICON NANOCRYSTALS" NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 408, no. 6811, 23 November 2000 (2000-11-23), pages 440-444, XP001069027 ISSN: 0028-0836 -----	
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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Date of the actual completion of the international search

24 January 2005

Date of mailing of the international search report

07/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PAVESI L: "Will silicon be the photonic material of the third millenium?"  JOURNAL OF PHYSICS: CONDENSED MATTER IOP PUBLISHING UK,  vol. 15, no. 26,  20 June 2003 (2003-06-20), pages  R1169-R1196, XP002314301  ISSN: 0953-8984</p> <p style="text-align: center;">-----</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004257

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1345069	A	17-09-2003	US 2003174985 A1 EP 1345069 A2	18-09-2003 17-09-2003
US 6576345	B1	10-06-2003	NONE	
US 2002137260	A1	26-09-2002	WO 03063225 A2 US 2003087485 A1 CA 2439812 A1 EP 1466354 A2	31-07-2003 08-05-2003 31-07-2003 13-10-2004